

STATUS OF THE CLAIMS:

Claim 1 (Currently amended). Process for producing a cold-rolled strip or sheet of steel with good deforming properties, which is subjected to and a bake-hardening potential after a subsequent deforming and for a subsequent temperature treatment, comprising the steps of:

hot rolling, coiling, cold rolling and recrystallizing annealing a strip of steel, wherein and, if appropriate, a dressing operation after hot rolling, coiling and cold rolling and has a bake-hardening potential after a subsequent deformation and for a subsequent temperature treatment, characterized in that

the recrystallizing annealing is carried out in a bell-type shaped furnace,
the coiled strip is cooled to $\leq 150^{\circ}\text{C}$ after the recrystallizing annealing,
the strip is uncoiled and heated to a temperature T of $200^{\circ}\text{C} \leq T \leq A_1$,
briefly annealed at the temperature T for a period of ≤ 20 minutes and
then cooled from said temperature T while coiled and in that the strip or sheet is subjected to cooling at a cooling rate of $\geq 1^{\circ}\text{C/s}$ after the recrystallizing annealing from a temperature T of $200^{\circ}\text{C} \leq T \leq A_1$.

Claim 2 (Currently Amended). Process according to Claim 1, ~~characterized in that~~
wherein the temperature is $T \geq 450^{\circ}\text{C}$.

Claim 3. Canceled.

Claim 4 (Currently Amended). Process according to Claim 1, ~~characterized in that~~
wherein the annealing period of the brief annealing is ~~chosen~~ between 2 minutes and 5 minutes.

Claim 5 (Currently Amended). Process according to Claim 1, ~~characterized in that~~
wherein the cooling from the temperature T is performed at a cooling rate of $\geq 20^{\circ}\text{C/s}$.

Claim 6 (Currently Amended). Process according to Claim 1, ~~characterized in that~~

wherein the strip or sheet is dressed before the brief annealing.

Claim 7 (Currently Amended). Process according to Claim 1, ~~characterized in that~~
wherein the strip or sheet is dressed after the brief annealing.

Claim 8 (Currently Amended). Process according to Claim 1, ~~characterized in that~~
wherein hot galvanizing of the sheet or strip is used as part of the brief annealing.

Claim 9 (Currently Amended). Process according to Claim 1, ~~characterized in that~~
a wherein said strip of steel has a carbon with a C content of $\geq 0.02\%$ is used.

Claim 10 (Currently Amended). Process according to Claim 1, ~~characterized by~~
~~the use of~~ wherein said strip of steel has a steel grade which has been selected
from the group consisting of steel grades St12 to St15, ZStE and ZstEi.

Claim 11 (Currently Amended). Cold-rolled strip or sheet having with good
deforming properties, ~~which can be produced by the process according to one of~~
~~Claims 1 to 9, with and~~ a bake-hardening potential after a ~~subsequent~~ deformation
and for a subsequent temperature treatment, comprising

0.02 to 0.12 wt. % C

max. 0.50 wt. % Si

0.1 to 1.2 wt. % Mn

max. 0.1 wt. % P

max. 0.025 wt. % S

max. 0.009 wt. % N

0.01 to 0.08 wt. % Al

0.01 to 0.04 wt. % Ti

and being manufactured so as to have a good planar isotropy by hot rolling,
coiling, cold rolling, recrystallizing annealing in a bell-shaped furnace and
so as to have a bake-hardening potential by cooling the coiled strip to $\leq 150^\circ\text{C}$
after the recrystallizing annealing, uncoiling the trip and reheating the uncoiled
strip to a temperature T of $200^\circ\text{C} \leq T \leq A_1$, briefly annealing at the temperature T
of ≤ 20 minutes and then cooling from said temperature T at a cooling rate of \geq

1°C/s and with

a C content of $\geq 0.02\%$ and with cementite precipitations in the matrix and at the grain boundaries.

Claim 12 (currently amended). Cold-rolled strip Strip or sheet according to Claim 11, produced from a steel of the steel grade St12, St13, St14 or St15.

Claim 13 (currently amended). Cold-rolled strip Strip or sheet according to Claim 11, produced from a steel of the steel grade ZstEi.

Claim 14 (currently amended). Cold-rolled strip Strip or sheet according to Claim 11, produced from a steel of the steel grade ZStE.

Claim 15 (currently amended). Cold-rolled strip Strip or sheet according to Claim 11, further comprising characterized in that it has a hot-galvanized surface.

Claim 16 (currently amended). Cold-rolled strip Strip or sheet according to Claim 15, being characterized in that it is dressed after the hot galvanizing of the surface.

Claim 17 (previously presented). Stove-enamelled sheet, produced from a strip or sheet according to Claim 11, with a yield strength significantly increased by the stove-enamelling.